

KUCERA, Jiri

Congenital developmental defects and other disorders of human
intrauterine development, an important factor in human medicine.
Cas.lek.cesk.99 no.30-31:973-975 22 Jl '60.

1. Ustav pro peci o matku a dite v Praze, reditel doc. MUDr.
M. Vojta, prednosta pediatrickeho usenu primar MUDr. K.Polacek.
(ABNORMALITIES)

SKODACEK, C.; KUCERA, J.

On chylothorax in a newborn infant. Cesk.pediat.16 no.3:258-262
Mr '61.

1. Detske oddelenie CUEZ v Komarne, primar MUDr. O.Skodacek.
(CHYLOTHORAX in inf & child)
(INFANT NEWBORN die)

KUCERA, Jiri

The presence of fetal hemoglobin in Down's disease. Cesk. pediat. 16
no. 7/8:671-675 Jl-Ag '61.

1. Ustav pro peci o matku a dite, Praha 4-Podoli, nabrezi Karla Marxe
157. Reditel: doc. MUDr. Miroslav Vojta Prednosta pediatrickeho usenu:
MUDr. Karel Polacek, C. sc.

(HEMOGLOBIN) (FETUS blood) (MONGOLISM blood)

KUCHERA, Jiri

SUCHATE, Given Name

(2)

Country: Czechoslovakia

Academic Degrees: MD

Affiliation: Institute for the Care of Mother and Child (Ustav pro pečí o matku a dítě), Prague; Director: Docent M. VOJTA, MD.

Source: Prague, Prakticky Lekar, Vol 41, No 11, 1961, pp 487-490.
Evolutionary

Data: "Registration of Congenital Defects in Czechoslovakia

75

KUCERA, Jiri

The incidence of congenital defects in Czechoslovakian regions and factors influencing it. I. Incidence, types and characteristics of congenital defects. Cas.lek.cesk 100 no.52:1609-1614 29 D '61.

1. Ustav pro peci o matku a dite, Praha 4-Podoli, reditel doc. MUDr. Miroslav Vojta, prednosta pediatrickeho useku MUDr. Karel Polacek.

(ABNORMALITIES statistics)

KUCERA, Jiri

The possibility of prenatal diagnosis of Down's disease. Cesk pediat
17 no.2:124-130 F '62.

1. Ustav pro peci o matku a dite v Praze 4 - Podoli, reditel doc.
MUDr. Miroslav Vojta, prednosta pediatrickeho usenu MUDr. Marek Polacek,
CSc.

(MONGOLISM diagn)

KUCERA, Jiri

Experiences in consultation for congenital disorders. Cesk. pediat.
17 no. 3:270-276 Mr '62.

1. Ustav pro peci o matku a dite v Praze, reditel doc. MUDr. Miroslav
Vojta, zaslužilý lekar Vedoucí pediatrického uskoku MUDr. Karel
Poláček, CSc.

(ABNORMALITIES)

HOUSTEK, J.; KUCERA, J.; KOTZMANOVA, J.

The frequency of congenital defects in middle Bohemian regions. Cesk. pediat. 17 no. 5/6:458-468 Je '62.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi University Karlovy v Praze, vedouci prof. MUDr. J. Housteck Ustav pro pece o matku a dite v Praze, reditel doc. MUDr. M. Vojta, prednosta pediatrickeho usenu MUDr. K. Polacek Krajsky ustav narodniho zdravi Stredo-ceskeho kraje, odbor pece o senu a dite.

(ABNORMALITIES statist)

KUCERA, Jiri; BENESOVA, Dagmar

Disorders of the intrauterine human development caused by attempted
abortion. Cesk. pediat. 17 no. 5/6:483-489 Je '62.

1. Ustav pro paci o matku a dite v Praze, reditel doc. MUDr. M. Vojta,
prednosta pediatrickeho useku MUDr. K. Polacek Katedra patologicke
anatomie a mikrobiologie fakulty detskeho lekarstvi University Karlovy
v Praze, vedouci doc. MUDr. D. Benesova.

(ABNORMALITIES etiol)
(ABORTION CRIMINAL compl)

KUCERA, J.

Report on voluntary registration of congenital anomalies in Czech
countries. Cesk. pediat. 17 no.12:1119-1121 D '62.
(ABNORMALITIES)

KUCERA, Jiri

"Prenatal pediatrics", Cas. Lek. Cesk. 101 no.16/17 Lek. Ved. Zahr.:73-
78 27 Ap '62.

1. Ustav pro paci o matku a dite v Praze, reditel doc. dr. Miroslav
Vojta.

(PRENATAL CARE) (GENETICS HUMAN)
(ABNORMALITIES etiol)

KUCERA, Jiri

The frequency of congenital anomalies in Czech regions and the influencing factors. II. Factors in the external environment.
Cas. lek. cesk. 101 no.35:1056-1060 31 Ag '62.

1. Ustatv pro peci o matku a dite v Praze, reditel doc. dr. M. Vojta,
prednosta pediatrickeho useku dr. K. Polacek.
(ABNORMALITIES) (ENVIRONMENT)

KUCERA, Jiri

The frequency of congenital anomalies in Czech regions and the influencing factors. III. Biological properties of the organism -- the genetic component. Cas. lek. cesk. 101 no.36:1096-1102 7 S '62.

l. Ustav pro peci o matku a dite v Praze, reditel doc. dr. M. Vojta,
prednosta pediatrickeho useku MUDr. K. Polacek.
(ABNORMALITIES) (GENETICS HUMAN)

CZECHOSLOVAKIA

KUCERA, J., MD.

Institute of Pediatrics (Ustav pro peci o matku a dite),
Prague-Podoli

Prague, Prakticky lekar, No 7, 1963, pp 251-254

"Influence of Several Drugs on the Growth of the Human
Foetus."

KUCERA, J.

Current status and development of the problem of congenital defects in the world and in Czechoslovakia. Cesk. pediat. 18 no.5:400-411 My '63.

1. Ustav pro peči o matku a dítě v Praze, ředitel doc. dr. M. Vojta, vedoucí pediatrického useku doc. dr. K. Poláček, CSc.

(ABNORMALITIES) (CHROMOSOME ABNORMALITIES)
(PREGNANCY COMPLICATIONS) (VIRUS DISEASES)
(ABNORMALITIES, DRUG-INDUCED)
(RADIATION GENETICS) (RADIATION INJURY)

CERNY, M.; KUCERA, J.; SOUKUP, F.

Clinical genealogy. Cesk. pediat. 18 no.5:442-456 My '63.

1. Ustav obecné biologie fakulty všeobecného lékařství KU v Praze, prednosta prof. MUDr. RNDr. B. Šekla. Ustav pro peci o matku a dítě v Praze, ředitel doc. dr. M. Vojta, vedoucí pediatrického uskoku doc. dr. K. Poláček, CSc.

(CHROMOSOME ABNORMALITIES) (SCHIZOPHRENIA)

(RETINITIS PIGMENTOSA) (ABNORMALITIES)

(PARAMYOCLONUS MULTIPLEX) (GENETICS, HUMAN)

ORT,M.; KUCERA,J.; JANSA,M.

Importance of chromatographic analysis of the urine for the
diagnosis of congenital metabolism disorders. Cesk. pediat.
19 no.3:204-210 Mr'64.

1. I.detska klinika fakulty detskeho lekarstvi KU v Praze
(prednostas prof.dr. J.Svejcar) a Detske oddeleni UMPD v
Praze (vedouci: doc.dr.K.Polacek).

KUCERA, J.

New character . . . of Down's disease in the Czechoslovakian SSR
and its theoretical and practical importance. Cas. lek. cesk. 103
no.4981354-1357 4. 9 '64

1. Ustav pro pediatriku a matku a dite v Praze, (zatimni reditel doc.
dr. J. Horsky, DrSc; vedouci pediatricko useku doc. dr.
K. Polacek, CSc.).

ACC NR: AP6025051

SOURCE CODE: CZ/0017/66/055/001/0010/0015
67
B

AUTHOR: Kucera, Josef (Engineer); Hraby, Josef

ORG: Skoda, Plzen

TITLE: Digital control of the magnetic field in winch motors

SOURCE: Elektrotechnicky obzor, v. 55, no. 1, 1966, 10-15

TOPIC TAGS: winch, electric motor, magnetic field, automatic control, rolling mill, cold rolling, emf, circuit design, metal drawing, digital system, oscillograph

ABSTRACT: A brief summary is presented of the theoretical requirements for the electric drive of drawing winches used in cold-rolling band mills. An indirect analogous method for emf regulation, the theoretical assumptions for direct estimation of roll diameter from the measured travel of the band, and a new digital diameter-measuring method with magnetic field control in the motor are described. A circuit diagram, the results of practical oscillographic measurements and photographs of the digital controller built of Transimat units are presented. In conclusion a detailed discussion is given of the indirect analogous method for roll-diameter indication and of the digital methods of magnetic field control in the motors of drawing winches. This paper was presented by Z. Zedr. Orig. art. has: 8 figures and 12 formulas. [Based on authors' Eng. abstract] /JPRS: 35.327/

SUB CODE: 09, 13, 20 / SUBM DATE: 25Aug65 / ORIG REF: 002 / OTH REF: 001

Card 1/1

UDC: 621.34-55

0916

0213

KUCERA, Josef, inz.

Electric drive of a cogging mill. El tech obzor 53 no.4:
185-190 Ap '64.

1. Leninovy zavody National Enterprise, UPV Plzen.

KUCERA, Josef

Economic effectiveness of mining seams less than 50 cm thick in
Ostrava-Karvina coal basin. Uhli 4 no.11:363-367 N '62.

1. Ministerstvo paliv a energetiky.

KUCERA, Josef

Ensuring the education of power engineers up to 1970. Energetika
Cz 13 no.6:320-322 Je '63.

1. Ustredni sprava energetiky, Praha.

KUGERA, Josef

Prospect of mirror glass production by the float system in the
United States. Sklar a keramik 14 no.11:308 N '64.

KUCERA, J., inz.; VLASEK, B.

Organization and calculation methods at the 6th Brno International
Fair. Jemna mech opt 9 no.12:378-382 D '64.

CZECHOSLOVAKIA

KUCERA, K., Docent MD.

Protozoological Ward of the Parasitological Institute
CSAV (Protozoologické oddelení Parazitologického
ústavu ČSAV), Prague

Prague, Prakticky lekar, No 7, 1963, pp 241-244

"Pneumocystosis in the CSSR."

KUCERA, K., dr. inz.; ZAK, M., inz.

Some experiences from the visit to the highway construction
worksites and research institutes in the German Democratic
Republic. Inz stavby 12 no. 2: 83-84 F '64.

GASPAR, Laszlo, dr., okleveles mérnök, a műszaki tudományok kandidátusa;
IVANOV, N.N., prof., dr. (Moscow); KUCERA, K., dr. (Bratislava);
BARZDO, V.J., dipl. ing., docens (Moscow); JAKOVLEV, Ju.N.,
[Yakovlev Yu.N.] dipl. ing. (Moscow)

Dimensioning flexible road constructions. Melyepitestud szemle
14 no.12:535-541 D '64.

1. Head, Laboratory of Soil Mechanics of the Road Research
Institute, Budapest (for Gaspar).

KUCERA, K.

POPEK, K.; DLUHOS, M.; MULLER, E.; KUCERA, K.; BAKALA, F.

Temporal arteritis. Lek. listy 5 no.9:241-246 1 My '50. (CIML 19:2)

1. Of the Clinic for Nervous Diseases (Head -- Prof. Marek Popek, M.D.) and of the Patho-Anatomical Institute (Head -- Prof. Václav Neuman, M.D.), Masaryk University, Brno, of the Neurological Department and Central Laboratory and Prosection Department (Head -- Head Physician, Docent Kamil Kucera, M.D.), Regional Hospital in Gottwald.

KUCERA, K.

Laboratory services in a regional hospital located in an industrial center. Cesk. nemoc. 18 no. 3:72-73 Mar-Apr 1950. (CIML 23:2)

1. Gottwaldov.

KUCERA, K.

Trichomoniasis of the male urethra. Cas.lek.cesk. 89 no.18:508-511
(CIML 19:3)
5 My '50.

1. Of the Central Laboratory and Prosecution Department of the State
Regional Hospital in Gottwald (Head -- Docent. Kamil Kucera, M.D.).

KUCERA, K.; DVORAK, V.

Epidemics of acute conjunctivitis due to Koch-Weeks Hemophilus.
Cesk. ofth. 7 no.4:252-262 1951. (CIML 21:1)

1. Of the Eye Clinic of Palacky University in Olomouc
(Head -- Prof. V. Vejdovsky, M.D.) and of the Central
Laboratory of the State Regional Hospital in Gottwaldov
(Head -- Docent K. Kucera, M.D.).

KUCERA, K.; JIRA, J.; URBANEK, O.

Utilization of waste in leather industry as a raw material in production
of peptone for culture media. Biol. listy, Praha 32 no.3:180-191 Dec 51.
(CIML 21:5)

1. Of the Central Laboratory and Prosectorium of State District Hospital
in Gottwaldov, of the SZU Branch (Head--Docent Kazil Kucera, M.D.) in
Gottwaldov, and of the Research Department of Svit National Enterprise
in Gottwaldov-Ostrokovice.

JIRA, A; KUCERA, K.

Studies on vaginal lactobacillus; preliminary communication.
Cesk. gyn. 17 no.2-3:66-73 1952. (CLML 22:3)

1. Of the Central Laboratory and Prosectorium of State Regional Hospital, and of the Slovak Health Institute (SZU) Branch (Head-- Docent K. Kucera, M.D.), Gottwaldov.

KUCERA, Kamil

70th anniversary of prof. MUDr Vaclav Tomasek. Cesk. hyg. epidem.
mikrob. 2 no. 6:469-473 Dec. 53.

(BIOGRAPHIES,
Tomasek, Vaclav)

KUCERA, K.

Experience with therapeutic and preventive use of autovaccines.
Lek. listy, Brno 8 no.23:544-550 1 Dec 1953. (CIML 25:5)

1. Of the Central Laboratory of KUNZ and of the Microbiological Department (Head--Docent K. Kucera, M.D.) of Hygienic-Epidemiological Station, Gottwaldov.

KUCERA, Kamil; JIROVEC, Otto

International symposium on trichomoniasis helat at Reims; March 28-30,
1957. Wiadomosci parazyty., Warsz. 4 no.2:125-141 1958.

1. Z Zakladu Protozoologii CSAN i Instytutu Zoologicznego Univ. im.
Karola w Pradze.

(TRICHOMONIASIS
symposium (Pol))

ZICHA, Blahoslav; POSPISIL, Jan; KUCERA, Karel

Effect of ionizing irradiation on the permeability of the vascular
and lymphatic system. Cesk. rentgenol. 16 no.4:259-267 Ag '62.

1. Vetrarni vyakumne stredisko v Praze.
(RADIATION EFFECTS experimental)
(BLOOD VESSELS radiation effects)
(LYMPHATIC SYSTEM radiation effects)

S/035/62/000/009/059/060
A001/A101

AUTHOR: Kučera, Karel

TITLE: The blinking heliotrope

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 34 - 35,
abstract 90224 ("Sb. výzkumn. prací. Výzkumn. Ústav geodet., topograf.
a kartograf.", 1959, v. I, 107 - 154, Czech; Russian and German sum-
maries)

TEXT: The blinking heliotrope consists of three cylindrical wave-like mir-
rors fastened to a common axis rotating, under action of wind, at a speed of 1 re-
volution per 3 or 4 sec. A longer period of rotation is necessary in case of large
distances between the points and at a haze. The heliotrope is attached to the signal
sighting cylinder. Guidance curves of all three mirrors are parts of one analytical
curve of the mirror whose positive branch satisfies the equations:

$$\frac{x}{c} = N_0 [(1 + \sin t) - \lg (1 + \sin t)] - \\ - [\sin t - \lg \sin t] - \frac{x+5}{c},$$

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The blinking heliotrope

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$$\frac{Y}{C} = (N_0 - 1) \cos t - \lg \left| \tan \frac{t}{2} \right| - \frac{Y+85}{C},$$

✓

and the negative branch - the equations:

$$\begin{aligned} \frac{x}{c} &= \frac{x-5}{c} - N_0 [(1 + \sin t) - \lg (1 + \sin t)] + \\ &\quad + [\sin t - \lg |\sin t|], \end{aligned}$$

$$\frac{y}{c} = 2\frac{y5}{c} - \frac{y+85}{c} - (N_0 - 1) \cos t + \lg \left| \tan \frac{t}{2} \right|.$$

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The blinking heliotrope

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A001/A101

Where $C = 8,094 \frac{Q_0}{d}$, Q_0 is coefficient of proportionality; parameter C expresses the lengthwise size of the mirrors at the given width d; $N_0 = 1.5207$ is the optimum parameter of the curve shape determined for the adopted period of evening (and morning) observations, contained in the range of Sun zenith distances from 55 to 85°; t is zenith distance of a solar ray incident onto the mirror surface at a point where, after reflection, it takes a horizontal direction: in equations of the curve positive branch distance t varies from +5° to +85°, and in equations of the negative branch - from -5° to -60°. Since t is either less or equal to Sun's zenith distance the cosine of reflection angle $\cos\alpha$ can not be equal to zero in the adopted period of observations. However, at negative t-values and at their large absolute magnitude, $\cos\alpha$ is small and therefore, it is inexpedient to use the part of the mirror surface corresponding to the range of t-values from -60° to -85°. Moreover, at $t=0^\circ$ the mirror will not yield a blink, as a consequence of which circumstance, the t-range from +5° to -5° is also excluded from the design. Both of these sectors, amounting to 3.6% of the whole horizon are displaced with the Sun; thus the relative visibility of the blinking heliotrope is constant over the whole horizon during the period of one revolution. Dependent on visibility conditions, blinks are seen at distances from 20 to 40 km. There are 6 references. See also RZhAstr, 1961, 10G252P.

[Abstracter's note: Complete translation]
Card 3/3

N. Modrinskiy

S/035/62/000/009/036/060
A001/A101

AUTHOR: Kučera, Karel

TITLE: Principles of evaluating the accuracy of survey work and establishing main demands on the accuracy of maps on 1:5,000 and 1:10,000 scales

PERIODICAL: *Referativnyy zhurnal, Astronomiya i Geodeziya*, no. 9, 1962, 8, abstract 9056 ("Sb. výzkumn. prací. Výzkumn. Ustav geodet., topograf. a kartograf.", 1960, v. 5, no. 2, 77 - 116, Czech; Russian and German summaries)

TEXT: The author considers criteria for evaluating the accuracy of topographic (not photogrammetric) surveys. He analyzes mathematical simplifications admissible in theoretical calculations and criticizes some ungrounded simplifications used in practice. In particular, the formula $M = \pm 0.3 \delta_{th}$ (δ_{th} is theoretical misclosure characterizing accumulation of errors in a traverse) has been derived for rms error of adjusted elevation or plan position of a point in a correctly oriented traverse. Taking initial data errors into account, $M = \pm 0.3\sqrt{\delta_{th}^2 + 8 m^2}$, where m is the error in both initial points. Demands on the accuracy of work are substantiated which are adopted in elaboration of the Czechoslovakian instruction

Card 1/2

Principles of evaluating the accuracy of...

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AC01/A101

on topographic surveys on scales 1:10,000 and 1:5,000 (of 1957). Thirty five formulas are presented for calculating expected errors and 29 numerical values characterizing the magnitude of these errors (13 of them are derived empirically, 4 are taken from literature sources, and 12 are derived from author's investigations). Moreover, errors in determining coordinates of extension points, as well as effect of these errors in constructing polygonometric traverses and detailed surveys, are analyzed.

V. Pavlov

[Abstracter's note: Complete translation]

Card 2/2

S/035/62/000/003/033/053
A001/A101

AUTHOR: Kučera, K.

TITLE: Weights in leveling networks

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 3, 1962, 21, abstract 3G166 ("Sb. výzkumn. prací. Výzkumn. Ústav geodet., topograf. a kartograf.", 1961, v. 6, no. 3, 83-96, Czech; Russian and German summaries)

TEXT: The author proves that weights, in processing leveling networks, should be presented as functions of the number of stands rather than of the line length. The formula is derived: $m_t = 0.165 \sqrt{n}$, expressing the dependence of the root-mean-square error of elevation obtained from reciprocal leveling, on the number of stations only. This formula was checked on extensive experimental material. The variable n in this formula is some kind of indicator of refraction effect and displacement of pins and stand while working at a station. It is noted that refraction effect was not revealed in experimental materials, but displacements of pins and stand affected the results. In traverses with large

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Weights in leveling networks

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A001/A101

elevations, number n is an indicator of error due to insufficient knowledge of the precise length of rods. As a rule for Czechoslovakian levelings, $n = 15$, since the limiting length of sighting is adopted at present to be 40 m.

From author's summary

[Abstracter's note: Complete translation]

Card 2/2

KUCERA, Karel, dr., inz.

Determining the eccentricity of the disc level of a parallactic pole.
Geod kart obzor 8 no.1:2-4 Ja '62.

1. Vyskumny ustav geodeticky, topograficky a kartograficky, Praha.

KUCERA, Karel, inz. dr., CSc.; BOHM, Josef, prof., inz. dr.

Relation between the position parameters determined in the Kopps
and Raab equations. Geod kart obzor 9 no.7:182-184 Jl '63.

1. Vyzkumný ústav geodeticky, topograficky a kartograficky,
Praha (for Kucera). 2. FS, České vysoké učení technické, Praha
(for Bohm).

KUCERA, Karel, inz. dr., CSc.

Zeiss BRT 006 telemeter from the viewpoint of double basis
telemetry. Geod kart obzor 9 no.11:292-298 N'63.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky,
Praha.

KUCERA, Karel, inz. dr. Sc.

Geodetic measurement of diameters on carousels. Good
kart obzor 10 no.2:34-39 F'64.

1. Vyzkumný ústav geodetický, topografický a kartografický,
Praha.

KUCERA, Karol, inz. dr. CSc.

Transformation formulas for both parameters of Koppe's equation from
the Raab equation. Geod kart obzor 10 no.11:271-272 N '64.

1. Research Institute of Geodesy, Topography and Cartography, Prague.

L 3022-66 EWT(1) DW

ACCESSION NR: AP5026872

CZ/0023/65/009/001/0023/0034

24

21

B

AUTHOR: Kucera, Karel

TITLE: Effectiveness of structural weights

SOURCE: Studia geophysica et geodaetica, v.9, no. 1, 1965, 23-34

TOPIC TAGS: geodesy, triangulation

Abstract [Russian article, author's English summary]: First the definition and the properties of structural weights q are given, as derived by the author in 1952. The structural weights are used in evaluating partial results of complete measurements carried out by more than two instruments or two methods, with the aid of a general arithmetical mean (structural mean). Neither the instruments nor their conditions are considered equivalent in advance, and the a priori weights based on analyses of earlier measurements are not considered. The structural weights are derived from the mutual configuration of partial results, so that they express the real conditions of the instruments at the time of the measurement, or the errors of the methods in question. The effectiveness of structural weights is newly proved on models on which the deteriorating niveau of the instruments is simulated by approximation of the basic set of natural numbers to multiples of gradually rising numbers α, β . This approx-

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L 3022-66

ACCESSION NR: AP5026872

5

imation test is applied also to the values of the measured direction of the well-known Hannoverian trigonometric network. Three artificial systems, derived by approximating the original system of directions of $0.1''$ accuracy to multiples of 3, 6 and $12''$ are tabulated. At all eight stations the structural mean A_q of the three artificial systems differs less from the original than the simple arithmetical mean A_3 . The weight of the structural mean p_q , derived from the real errors ϵ , is 2.4 times larger than the weight p_3 of the arithmetic mean A_3 . Orig. art. has 6 formulas and 6 tables.

ASSOCIATION: Isaledovatel'skiy institut geodesii, Prague (Research Institute of Geodesy)

44,55

SUBMITTED: 14May64

ENCL: 00

SUB CODE: ES

NO REF SOT: 000

OTHER: 001

JPRS

Card 2/2. md

KUCERA, Karel, inz. dr. CSc.

Study on the accuracy of orientation measurement. Geod kart obzor
11 no.1:1-6 Ja '65.

1. Research Institute of Geodesy, Topography and Cartography, Prague.

L 10593-66

ACC NR: AF6004047

SOURCE CODE: CZ/0024/65/000/001/0001/0006

39

AUTHOR: Kucera, Karel (Engineer; Doctor; Candidate of sciences)

ORG: Research Institute of Geodesy, Topography and Cartography, Prague (Vyzkumny ustav geodeticicky, topograficky a kartograficky) 44,55

TITLE: Precision of an orientational measurement 12,44,55

SOURCE: Geodeticicky a kartograficky obzor, no. 1, 1965, 1-6

TOPIC TAGS: geodesy, cartography, geography

ABSTRACT: The article describes methods of determining the accuracy of landmarks being incorporated in trigonometric networks, especially those located in forests. This work was presented by Engr. Vaclav Morch, USGK, Prague. Orig. art. has: 2 figures, 20 formulas, and 4 tables. JPRS 44,55

SUB CODE: 08 / SUBM DATE: none / ORIG REF: 004 / SOV REF: 001

Card 1/1

UDC: 528.022.6.088.3

L 31029-66 EWT(1) GW

ACC NR. AP6022929

SOURCE CODE: CZ/0024/66/000/001/0003/0006

AUTHOR: Kucera, Karel (Engineer; Doctor; Candidate of sciences)

39

B

ORG: Geodetic, Topographic, and Cartographic Research Institute, Prague (Vyskumný
ustav geodeticky, topograficky a kartograficky)

TITLE: Conventional amplitude as a new criterion of the periodical error of
limb division

SOURCE: Geodeticky a kartograficky obzor, no. 1, 1966, 3-6

TOPIC TAGS: geodesy, parameter, error function, measurement

ABSTRACT: The periodical error of the limb division should use a single-parameter
criterion of a conventional amplitude to replace the six-parameter classical expres-
sion common at present. The phase parameters of the function now generally used
for the expression of the error, are rather indeterminate, and the geometrical part ¹² of the criterion is time consuming. Methods for the determination of the conventional
amplitude are discussed. This paper was presented by Professor, Engineer, Doctor,
Doctor of Sciences Josef Bohm, FSVUT, Prague. Orig. art. has: 12 formulas and
1 table. [JPRS]

SUB CODE: 08, 12 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 001

Card 1/1 YC

UDC: 528.33(437)

1005

KUCERA, KAREL.

"Roztrideni a klasifikace zemin. Praha, Vedecko-technicke nakl., 1950. 24 p.
(Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy, c.4)
(Systematization and classification of soils. illus., bibl., graphs, tables)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

KUCERA, Karel.

"Zkusebni metody zemni mechaniky. Praha, Vedecko-technicke nakl., 1951. 30p.
(Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy, c. 6) (Testing :
methods of soil mechanics. illus., bibl., graphs)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

KUCERA, KAREL.

"Stabilisovane vozovky, jujich navrh a kontrola provadeni. Praha, Vedecko-technicke nakl., 1951. 21 p. (Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy, c. 7) (Stabilized roads, their design, and the control of their construction. bibl., graphs)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

BB

41

Soil and geological research in design and lay-out of roads. K.
Kulczy (Dopravní Technika, 1961, I, No. 1, 3-8; Rd. Akad.
1962, I, 66).—The importance of making geological surveys and
investigations on soils before building roads is stressed. Methods
of carrying out such investigations are outlined, with details of the
use of a mobile laboratory and of the practical application of the
results of laboratory tests.

Rd. Akad. (C)

B
B-1

(Road) construction costs reduced by new methods of building base courses. K. Kubera (*Dopravní Technika*, 1961, 1, No. 2, 27-28; *Rd Afr.*, 1962-63, 34).—The construction of macadam and stabilized-soil base courses enables the engineer to make use of materials available locally and to reduce construction costs. Maps show the occurrence of various types of aggregates in Czechoslovakia and the purposes for which they are suitable. Rd. Afr., (C).

KUCERA, K.

"Our Remarks on Flattening Silage by Tractor." p. 332,
(MECHANISACE ZEMEDELSTVI, Vol. 4, No. 17, Sept. 1954, Praha, Czechoslovakia)

D: Monthly List of East European Accessions, (SIL), LC, Vol. 4
No. 5, May 1955, Uncl.

KUCERA, K.

Anniversary of the ascent of Stalin Peak by way of Velicka proba.
p. 238, KRASY SLOVENSKA, Vol. 31, no. 1, Jan. 1954. Bratislava.

SOURCE: East European Acquisitions List, (EEAL) Library of Congress,
Vol. 4, No. 2, August 1956

KUCERA, K.

The influence of the humidity of foundation soils as an important element to be observed in roadway designing. (to be contd.) p. 347.

(Inzenyrske Stavby. Vol. 5. no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Unclassified.

KUCERA, K.

The influence of the humidity of foundation soils as an important element to be observed in roadway designing.

p. 407 (Inzonyrske Stavby) Vol. 5, no. 8, Aug. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

KUCERA, L.

21

Colorimetric Determination of Silicon in Malleable Cast Iron. L. Kucera.
(Hutnické Listy, 1950, vol. 5, June, Supplement No. 2, pp. 102-107). [In Czech].
The problem of rapidly determining elements in the melt during the production
of malleable cast iron, and previous work on this subject, are briefly reviewed.
Research work in the laboratories of the Ceskomoravská Kolben Danek is reported.
On the basis of over 4000 tests a practical method for silicon in the range
0.05-15% was developed. Detailed instructions are given for malleable iron
and the total time required is 19 min. The accuracy is very high. The
colorimetric method is also being applied to the determination of phosphorus,
titanium, vanadium, copper, nickel, chromium, cobalt, tungsten, and the
combined carbon. Two photo-electric colorimeters are described.—E. G.

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

KUCHA, L.; PLZAK, F.

Josef Kuba's Spektralni analysa v kovoprumyslu (Spectrum Analysis in the Metal Industry); a book review. p.270 CHEMICKY PRUMYSL. (Ministerstvo chemickeho prumyslu) Praha. Vol. 5, No. 6, June 1955.

SOURCE: East European Accessions List, (EVAL) Library of Congress,
Vol. 4, No. 12, December 1955.

L 4100-66

ACC NR: AP5028878

SOURCE CODE: CZ/0042/65/000/002/0093/0097

15
3

AUTHOR: Kucera, Ladislav (Engineer, Candidate of sciences)

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotekniky a elektroniky CSAV)

TITLE: Estimation of the oscillation period from the limit cycle

SOURCE: Elektrotechnicky casopis, no. 2, 1965, 93-97

TOPIC TAGS: oscillation, electronic oscillator

ABSTRACT: A method is presented for estimating the oscillation period of nonlinear oscillation systems, from the limit cycle. The principle of this method is based on the comparison of certain trajectories in the plane (x, \dot{x}). The estimated values differ only by about 5 percent from the known exact values. The work was presented by J. Stransky. Orig. art. has: 3 figures, 12 formulas [JPRS]

SUB CODE: EC / SUBM DATE: 23Apr64 / OTH REF: 002

AVK
Card 1/1

KUCERA, L., inz.; MATEJU, J., inz.

The between-lens shutter Prontor SVS. Jemna mech opt 5 no.12:379-382
D '60.

MATEJU, J., inz.; KUCERA, L., inz.

The between lens shutter Metax, made in Czechoslovakia.
Jemna mech opt 6 no.2:37-39 F '61.

1. Maopta n.p., Prerov.

KUCERA, L., inz.; MATEJU, I., inz.

The between-the-lens Synchro-Compur shutter. Jemna mech opt 6 no.4:
106-110 Ap '61.

1. Meopta, n.p., Prerov.

(Cameras)

KUCERA, Leos, inz.

A film band wide 70 mm. Jemna mech opt 7 no.4:126 Ap '62.

1. Mopta, n.p., Pragov.

KUCERA, L., inz.

More light. Jemna mech opt 7 no.10:303-305 0 '62.

1. Meopta Prerov.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4

KUCERA, L., inz.

PVC clad sheets. Jamna mech opt 8 no. 7:226-227 J1 '63.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4"

POSPISIL, Milan; KUCERA, Leos

Modified thymol reaction. Vnitř. lek., Brno 1 no.1:30-33
Jan 55.

1. Z ustanov vseobecne a experimentalni patologie LFMU v Brne,
prednosta ustanov prof. MUDr a RNDr. Vilém Uher, M.P. Ustanov exp.
pathol. LFMU, Brno, Komenskeho nam.2.

(THYMOL

reaction, modified, in liver function test.)

(LIVER FUNCTION TEST

thymol reaction, modified.)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4"

KUCERA, L.^{ros}

SCHREIBER, V.; KUCERA, L.; KUCEROVA, J.; EMENTOVA, V.

Endocrine effects on osmotic resistance of the leukocytes. Cas. lek. cesk. 96 no. 40-41: 1299-1302 11 Oct 57.

1. Laborator pre endokrinologii a metabolismu pri III. Interni Klinice fakulty všeobecného lekarství Karlovy univerzity v Praze, prednosta akademik Josef Charvat.

(HORMONES, effects,
on leukocyte osmotic resist. (Cs))

(LEUKOCYTES, effect of drugs on,
hormones, on osmotic resist. (Cs))

KUCERA, L.

Role of the endocrine system in the regulation of eosinophilic leukocytes in peripheral blood. Cesk.fysiol. 9 no.2:141-162 Mr '60.

1. Ustav hematologie a krevni transfuse, Praha.
(ENDOCRINE GLANDS physiol)
(EOSINOPHILS)

KUCERA, L., First Department of Internal Medicine (I. interni oddeleni), Hospital and Polyclinic in Horovice, B. NOVEMBRA, MD, director.

"Thiazide Diuretics and the Metabolism of Carbohydrates."

Prague, Casopis Lekaru Ceskych, Vol CII, No 50, 20 September 63,
pp 1053-1054.

Abstract: A short report on experiments with Chlorurit, a chlorothiazide and their effect on the carbohydrate metabolism of a diabetic type, characterized by polyuria, polydipsia, glycosuria, hyperglykemia, and the lowered tolerance against glucose (diabetic curve). Ten references, including 1 Hungarian.

1/1

KUCERA, L.

Insulin activity in biological material and possibilities of its determination. Cas. lek. cesk. 103 no.16:65-69 17 Ap '64.

1. Interni oddeleni nemocnice s poliklinikou v Horovicich
(vedouci MUDr. B. Hochmann).

ACC NR: AP6017896

(A)

SOURCE CODE: CZ/0078/65/000/012/0011/0011

INVENTOR: Krcal, Zdenek (Gottwaldov); Kostak, Jiri (Engineer; Prague); Kucera, Ludvik (Kyje u Prahy); Kerhart, Jaroslav (Bechovice)

ORG: none

TITLE: [Sorting and metering equipment for semiconductor rectifier components]
CZ Patent No. PV 5664-64, Class 21

SOURCE: Vynalezy, no. 12, 1965, 11

TOPIC TAGS: semiconductor rectifier, measuring apparatus, semiconductor research, circuit design

ABSTRACT: Sorting and metering equipment for semiconductor rectifier components and other chemical nonsymmetric and nonlinear components are gauged dynamically under conditions similar to industrial operation. The component being tested is connected in series with a transformer secondary coil and two distributors with oppositely polarized valves. After the semiconductor and first distributor valve, a first polarization relay circuit coil leads through the contacts of the second and third polarization relay circuits to an operating resistor. Two coils of the third polarization relay with an armature and switching contacts between them are connected by means of a contact switch to the first and third polarization relays and

Card 1/2

ACC NR: AP6017896

parallel to the resistor. The parallel contact switches of the first and third polarizing relays are connected to a through-put metering circuit, composed of a rectifier and meter, whereas the parallel contact switches of the first and second polarizing relays are connected to a reverse-current metering circuit, also composed of a rectifier and meter, the loop of both metering circuits being closed through the secondary coil of a current transformer.

SUB CODE: 09/ SUBM DATE: 13Oct64

Card 2/2

L 04128-67 EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6009345 (A)

SOURCE CODE: CZ/0078/65/000/011/0013/0013

INVENTOR: Kral, Zdenek (Engineer); Kostak, Jiri (Prague); Kucera, Ludvik (Kyje u Prague); Kerhart, Jaroslav (Bechovice)

42
B

ORG: none

TITLE: A circuit for the grading of selenium plates. CZ Pat. No. PV 5514-64, Class 21e

SOURCE: Vynalezy, no. 11, 1965, 13

TOPIC TAGS: selenium, selenium rectifier, relay, amplifier design, control circuit

ABSTRACT: A circuit is described for grading selenium plates for amplitude limiters positioned in an installation in any position with respect to polarity and simulating operating conditions where the disc or plate to be measured is fed from an ac source. In the ac source circuit the selenium plate to be measured is in series with the primary winding of the current transformer, and in parallel to the secondary winding of the transformer a rectifier is connected in a bridge circuit. The measurement device is in the dc arm of the bridge connected in parallel with a condenser and one winding of a relay from the middle position of the armature. The other winding of the relay is connected through a voltage divider to the compensating voltage source constituted by a tube and a condenser where the relay contacts are connected to the circuit of the grading mechanism coil.

SUB CODE: 09/ SUBM DATE: 05Oct64

Card 1/1

L 41784-66
ACC NR: AP6031676

SOURCE CODE: CZ/0042/66/000/003/0168/0178

AUTHOR: Kucera, Ladislav (Engineer; Candidate of sciences) 53

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

TITLE: Periodic conditions of an oscillator with a tunnel diode

SOURCE: Elektrotechnicky casopis, no. 3, 1966, 168-178

TOPIC TAGS: tunnel diode, second order differential equation, nonlinear differential equation, electronic circuit

ABSTRACT: With the methods of the non-linear theory of oscillations a solution is obtained for an oscillator with a tunnel diode and one tuned LC circuit, described by a non-linear second-order differential equation. Qualitative properties of the circuit are derived. This paper was presented by V. Spany. Orig. art. has: 10 figures, 13 formulas and 2 tables. [Based on author's Eng. abst.] [JPRS: 36,644]

SUB CODE: 09 / SUBM DATE: 20May65 / ORIG REF: 001 / SOV REF: 005
OTH REF: 003

Card 1/1

KUCERKA, Ladislav, inz.

Electric equipment of modern machine tools, machinery and equipment. Elektrotechnik 19 no.9:268 S '64.

SANDEROVÁ, Vera, promovany fyzik, CSc., KUDERA, František; FAAP, Ing. uslaz.

Comparison of the characteristic parameters of the selenium rectifying cells made today. El techn obozor 53 no. 6:5lt.-321
Je '64.

1. Faculty of Electrical Engineering, Czech Higher School of Technology, Prague (for Sandrova and Frank).
2. Elektropřístroj National Enterprise, Research on Rectifiers, Bouchovice (for Kucera).

KUCHERA, Ludvík; KRCAL, Zdenek; KERH T, Jarošek; KOCMAN, J., inz.

A new miniature solenium amplitude limiter. Sdol tech 12
no.7:258-259 Jl '64

KUCERA, Ludvik; SANDEROVA, Vera, promovany fyzik; MARTAN, Frantisek, doc., ScC.

Monogram for calculation of the forward loss in selenium rectifier
cells. Slaboproudý obzor 24 no.7:415-417 J1 '63.

1. Elektropristroj, n.p., Bechovice (for Kucera).
2. Fakulta elektrotechnicka, Ceske vysoka učeni technicke, Praha
(for Sanderova and Martan).

KUCERA, M.

BLAZEK, Z.; KUCERA, M.

Alkaloids content of Atropa belladonna L. in various stages of
development. Cas.cesk.lok. 63 no.8:87-90 30 Apr 50. (CLWL 19:4)

1. Of the Institute of Pharmacology and Pharmacognosy, Charles
University (Head--Prof. B.Polak, M.D.)

KUCERA, M.

BLAZEK, Z.; KUCERA, M.

Alkaloid content of Datura stramonium L. in various stages of
evolution. Cas. cesk. lek. 63 no. 9:101-103 15 May 50. (CLML 1:4)

1. Of the Institute of Pharmacology and Pharmacognosy, Charles
University (Head--Prof. B. Polak, M.D.)

KUCERA, M.

BLAZEK, Z.; KUCERA, M.

Alkaloid content of *Hyoscyamus niger* L. in various stages of development. Cas. cesk. lek. 63 no.10:110-112 31 May 50. (CML 19:4)

1. Of the Institute of Pharmacology and Pharmacognosy, Charles University (Head—Prof. B. Polak, M.D.)

BLAZEK, Z; KUCHERA, M.

Diagnostic use of fluorescent properties of *Datura stramonium*
seeds. Cas. cesk. lak. 63 no.18:209-210 30 Sept. 1950. (CLML 21:1)

l. Of the Institute of Pharmacology and Pharmacognosy, Faculty
of Medicine, Charles University (Head--Prof. B. Polak, M.D.)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4

Kusek, M.

✓ Blažek, Z., Čejka, M. and Hrdlicka, J.: Léčivá Roštinka
MC re Šlechtový Kultura, Prague: Z. Nekladatelský 1952.
Reviewed in Pharmacie 6, 270(1956).

(8)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4"

CA

IN

The presence of coumarin in the leaves of *Bambusa alata*
M. Kubíček and Z. Bláha (Univ. Prague) Czechoslovak
J. of Chem., 1961, 1, 101 (1962). In spite of many isolation methods
and sensitive measurements and large amt. of fresh material
used, coumarin was not detected. Jarmila Bláhaová

CA

11

Influence of drying methods on the content of azulene compounds of Flores Chamomillae. Z. Blašek and M. Kádlec (Charles-Univ., Prague). *Pharmacie* 7, 107-9 (1932); cf. preceding abstr.—Chamomile flowers are best dried in the shade at 20°. Use of infrared radiation at a distance of 30 cm. decreases the azulene content 17% while drying in sunlight causes a loss of 31%. R. H. Sheets

BLAZEK, Z.; BOSWART, J.; HORAK, P.; KUCERA, M.

Variation of alkaloid content in Ergot sclerotium during 24 hours.
Cesk. farm. 2 no. 7-8:231-233 Aug 1953. (CIML 25:4)

1. Of the Research Institute of Medicinal Plants, Prague.

KUCERA, M.

Problem of substitution of drugs. Cesk. farm. 2 no.7-8:262-265 Aug 1953.
(CIML 25:4)

KUCERA, M.

JINDRA, A.; BOSWART, J.; KUCERA, M.; HORAK, P.

Determination of tropa alkaloids in drugs. Cesk.farm. 3 no.4:
131-133 Ap '54.

1. Z Vyzkumneho ustavu lecivych rostlin (VULERO) v Praze.
(ALKOLOIDS, determination,
*in drugs)

DOLERZL, B.; KUCERA, M.

Development of research on medicinal plants. Česk. farm. 3 no.5:
160-162 My '54.

(PLANTS,

*pharmacognosy, develop. of research in Czech.)

KUCERA, M.; BLAZEK, Z.

Anatomy of leaves of *Vaccinium oxycoccus* L. Cesk. farm. 3 no.5:
162-164 My '54.

1. Z Vyszkumného ústavu lecivých rostlin, Praha.
(PLANTS,
**Vaccinium oxycoccus*, structure of leaves)

BLAZEK, Zd.; KUCHRA, M.

Viscosity and content of reducing substances in tinctures from citrus flowers during their development. Cesk. farm., 3 no. 5: 177-179 My '54.

1. Z Vyzkumneho ustavu lecivych rostlin v Praze
(PLANTS,

*citrus flowers, viscosity & content of reducing substances in tinctures)

KUCERA, M.

Prolongation of old and nonproductive methods of drying of medicinal plants. Cesk. farm. 3 no.7:249-251 Sept 54.

(PLANTS,
medicinal, drying technic)